Index of Claims



Application/Control No.

09/447,301 Examiner

YOSHIHARA, SATOSHI

Reexamination

Applicant(s)/Patent under

Art Unit

James M. Hannett

2622

| √  | Rejected |
|----|----------|
| 11 | Allowed  |

(Through numeral) Cancelled Restricted

| Z | Non-Elected  |  |  |  |  |  |
|---|--------------|--|--|--|--|--|
| 1 | Interference |  |  |  |  |  |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla   | aim      | Date     |              |  |          |              |              |   |          |  |     | Cla   | aim      | Date            |          |  |  |              |  |  |          |   |
|-------|----------|----------|--------------|--|----------|--------------|--------------|---|----------|--|-----|-------|----------|-----------------|----------|--|--|--------------|--|--|----------|---|
| Final | Original | 1/3/07   |              |  |          |              |              |   |          |  |     | Final | Original |                 |          |  |  |              |  |  |          |   |
|       | 1        | V        | _            |  | Т        | T            |              | T   | T        | T  | 1   |       | 51       |                 | T        | ┰  |  |              | <u> </u>   | m  |          |   |
|       | 2        |          | Г            |  |          | T            |              |   | ٠.       |  | 1   |       | 52       |                 | T        |  |  |              |  |  |          | 1 |
|       | 3        | 1        |              |  |          | T            |              |   |          |  | 1   |       | 53       |                 | Τ        |  |  | <b> </b>     | Τ  |  | П        | 1 |
|       | 4        | V        |              |  |          |              |              |   |          |  | 1   |       | 54       |                 | 1        |  | Π  | Π            | Π  | П  |          | 1 |
|       | 5        | V        | Ī            |  |          | Π            |              |   |          |  | 1   |       | 55       |                 | Τ        |  |  |              |  |  |          | 1 |
|       | 6        | <b>V</b> | Г            |  |          | Π            |              |   |          |  | 1   |       | 56       |                 |          |  |  |              |  |  |          |   |
|       | 7        | 1        |              |  |          |              |              |   |          |  | ]   |       | 57       |                 | Т        | Г  |  |              |  |  |          |   |
|       | 8        | 1        |              |  |          |              |              |   |          |  |     |       | 58       |                 |          |  |  |              | Ŀ  |  |          |   |
|       | 9        | 1        |              |  |          |              |              |   |          |  |     |       | 59       |                 |          | Ĺ  |  |              |  |  |          |   |
|       | 10       | 1        |              |  |          |              |              |   |          |  |     |       | 60       |                 |          |  |  |              |  | _  |          |   |
|       | 11       | 1        |              |  |          |              |              | L   |          |  |     |       | 61       |                 |          | _  |  |              |  | L  |          |   |
|       | 12       | V        | L            |  | _        |              | <u> </u>     | L   | L        |  |     |       | 62       |                 |          | L  |  | <u> </u>     | L  |  |          |   |
|       | 13       | 1        |              |  |          | <u> </u>     |              |   |          |  |     |       | 63       |                 | <u> </u> | <u> </u>   | <u> </u>   |              | <u> </u>   |  | _        |   |
|       | 14       | 1        | _            | lacksquare                                       | L        | _            | <u> </u>     | <u> </u>  | ↓_       | <u> </u>   |     |       | 64       |                 | _        | <u> </u>   | <u> </u>   | 乚            | <u> </u>   |  | Щ.       |   |
|       | 15       | 1        | _            | <u> </u>   | L.       | _            | L_           | <u> </u>  | <u> </u> | <u> </u>   |     |       | 65       |                 | _        | <u> </u>   | Ŀ  | <u> </u>     | <u> </u>   |  |          |   |
|       | 16       | V        |              | <u> </u>   | L        | L_           | L.           | _   |          | ļ.,  | 1   |       | 66       |                 | $\perp$  |  | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | <u> </u>     | $oxed{oxed}$                                     | _  | Ш        |   |
|       | 17       | 1        | <u> </u>     | L  | _        | ļ.           |              | <u> </u>  | <u> </u> | <u> </u>   | 1   |       | 67       | ot              | $\perp$  | _  | _  | <u> </u>     | <u> </u>   | L  |          |   |
|       | 18       | 1        | _            | ļ  |          | <u> </u>     | _            | _   | _        | <u> </u>   |     |       | 68       | $\perp \perp$   | _        | Ė  | _  | ļ            | <u> </u>   | L  |          |   |
|       | 19       | _        | _            | <u> </u>   | _        | _            | <u> </u>     | <u> </u>  | ┡        | _  |     |       | 69       |                 | _        | ļ  | <u> </u>   | ļ            | _  |  |          |   |
|       | 20       |          | _            | _  | L        | ـــ          | _            | Ļ.  | _        | <u> </u>   |     |       | 70       |                 | ╄        | _  | _  | <u> </u>     | <u> </u>   | _  |          |   |
| •     | 21       |          | L            | ļ  | _        |              | <u> </u>     | _   | ļ.,      | ┡  |     |       | 71       | $\perp$         | ╄        | ┞  | <u> </u>   | <u> </u>     | _  | <u> </u>   | Щ        |   |
|       | 22       |          | <u> </u>     | ┡  | <u> </u> | <del> </del> | <b>!</b>     | <del>                                      </del> | ┞        | <del> </del> _                                   |     |       | 72       | <u> </u>        |          | ļ  | <u> </u>   | <b>├</b>     | <u> </u>   | <u> </u>   | L        |   |
|       | 23       | _        | <u> </u>     | -  | _        | <b> </b>     | <b> </b> _   | <u> </u>  | ┡        | <del> </del>                                     | 1   |       | 73       |                 | -        | ├-   | <u> </u>   | <u> </u>     | <u> </u>   | <u> </u>   |          |   |
|       | 24       | <u> </u> | ļ            | <del> </del>                                     | _        | ├-           | <u> </u>     | ļ   | <u> </u> | _  |     |       | 74       |                 | +        | -  | <u> </u>   | <u> </u>     | <u> </u>   | <u> </u>   |          |   |
|       | 25       |          | _            | <u> </u>   | -        | ├            | <del> </del> |   | ├-       | -  |     |       | 75       |                 | ╄        | -  | <u> </u>   |              | ├  | _  |          | ł |
|       | 26       |          |              | ├  | -        | ⊢            |              | ⊢   | ⊢        |  |     |       | 76       |                 | +-       | ⊢  | -  | H            | ⊢  | ⊢  | H        |   |
|       | 27<br>28 | ⊢        | -            | ├-   | ⊢        | ├-           | _            | -   | ├        | ⊢  |     |       | 77<br>78 | $\vdash$        | +        | ⊢  |  | $\vdash$     | $\vdash$   | $\vdash$   | $\vdash$ |   |
|       | 29       | ├        | -            |  | H        | ╁            | -            | -   | <b>-</b> | ├  |     |       | 79       |                 | +        | ╁  | <u> </u>   | <del> </del> | ⊢  | <del> </del>                                     | -        |   |
|       | 30       | $\vdash$ | ┝            | $\vdash$   |          |              | $\vdash$     | $\vdash$  | ╁        | ⊢  | 1   |       | 80       | $\vdash$        | +        | -  | -  | ├-           | <del>  -</del>                                   | -  | H        |   |
|       | 31       | $\vdash$ | $\vdash$     | ⊢  |          | ⊢            | $\vdash$     |   | ⊢        | $\vdash$   |     |       | 81       | -               | +        | -  | -  |              | ├  | ⊢  | -        |   |
|       | 32       |          | -            | ┢  | -        | ┢            | ⊢            | Η.  | ┢        | ⊢  | 1   |       | 82       | $\vdash$        | ╁        | ╁  |  | ╁            |  | ⊢  | <u> </u> |   |
|       | 33       |          | <del> </del> | <del>                                     </del> | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$  | $\vdash$ | $\vdash$   |     |       | 83       |                 | +-       | ├-   | ┢  | -            | -  | $\vdash$   | Н        |   |
|       | 34       |          | $\vdash$     |  | $\vdash$ |              |              | $\vdash$  | $\vdash$ | -  |     |       | 84       | $\vdash \vdash$ | +        | ╁╌   | $\vdash$   | $\vdash$     | $\vdash$   | <del>                                     </del> | $\vdash$ |   |
| ·     | 35       | _        | $\vdash$     | $\vdash$   | $\vdash$ | $\vdash$     | ┪            | Г   | Т        | $\vdash$   | 1   |       | 85       |                 | +        | $t^-$  | Н  | _            | Т  | T  | Н        |   |
| _     | 36       | $\vdash$ | _            | _  | $\vdash$ | $t^-$        | $\vdash$     |   | $\vdash$ | T  | 1   |       | 86       | $\vdash$        | +        | <del>                                     </del> | <del>                                     </del> |              | $\vdash$   | <del>                                     </del> | $\vdash$ |   |
|       | 37       |          | $\vdash$     |  | $\vdash$ | $\vdash$     | i            | $\vdash$  |          |  | 1   |       | 87       | -               | +        | $\vdash$   | <del>                                     </del> | T            | <del>                                     </del> | _  | Н        |   |
|       | 38       | -        | Т            | Т  |          |              | İ            |   | T        |  |     |       | 88       |                 | †        | t  |  | Г            | $\vdash$   |  | H        |   |
|       | 39       |          |              | T  | $\vdash$ | Г            |              | Т   | Т        | <del>                                     </del> |     |       | 89       |                 |          | l  |  | Г            | Т  | -  | H        |   |
|       | 40       | _        | Т            | Т  | _        |              |              | $\vdash$  | Г        | T  | 1 1 |       | 90       |                 | T        | T  |  | $\vdash$     | $\vdash$   |  | М        |   |
|       | 41       |          | Г            | Г  |          | T            |              | <u> </u>  | Ι.       | <u> </u>   | 1 1 |       | 91       | $\dashv$        | $\top$   |  | Г  | <u> </u>     | 1  | Г  | П        |   |
|       | 42       |          |              |  |          |              |              |   |          |  | 1   |       | 92       | $\top$          | 1        | Г  | Г  |              |  |  | П        |   |
|       | 43       |          |              |  |          |              |              |   |          |  |     |       | 93       |                 |          |  | Ľ.   |              |  |  | П        |   |
|       | 44       |          |              |  |          |              |              |   |          | Π  |     |       | 94       |                 | 1        | Γ  | <u> </u>   |              |  | Ī  | П        |   |
|       | 45       |          |              |  |          |              |              |   | L.       |  |     |       | 95       |                 | 1.       |  |  |              |  |  |          |   |
|       | 46       |          |              |  |          |              |              |   |          |  | ]   |       | 96       |                 |          |  |  |              |  |  |          |   |
|       | 47       |          |              |  |          |              |              |   |          |  | ]   |       | 97       |                 | Ι        | $L_{\scriptscriptstyle{-}}$                      |  |              |  |  |          |   |
|       | 48       |          |              |  |          |              |              |   |          |  | ]   |       | 98       |                 | Ι        |  |  |              |  |  |          |   |
|       | 49       |          |              |  |          |              |              |   |          |  |     |       | 99       |                 |          |  |  |              |  |  |          |   |
|       | 50       |          |              |  |          | Γ            |              |   |          |  | j İ |       | 100      |                 |          |  | l  | I            | l  |  | П        |   |

|       |                          | Det-     |                 |                |            |          |              |          |          |                 |  |  |
|-------|--------------------------|----------|-----------------|----------------|------------|----------|--------------|----------|----------|-----------------|--|--|
| Cla   | _                        |          |                 | [              | Date       | 9        |              |          | _        |                 |  |  |
| Final | Original                 |          |                 |                |            |          |              |          |          |                 |  |  |
|       | 101<br>102<br>103        |          |                 |                |            |          |              |          |          |                 |  |  |
|       | 102                      |          | <u> </u>        |                | <u> </u>   | L        |              | _        | _        | Ш               |  |  |
|       | 103                      |          | <u> </u>        |                | _          | <u> </u> | <u> </u>     | _        | <u> </u> | Щ               |  |  |
|       | 104                      | _        | <u> </u>        | <u> </u>       | <u> </u>   | <u> </u> | <u> </u>     | <u> </u> |          | Н               |  |  |
|       | 105<br>106               |          |                 |                | _          | _        |              | <u> </u> | _        |                 |  |  |
|       | 107                      |          | -               |                |            | ⊢        | _            | $\vdash$ | ┝        | H               |  |  |
|       | 108                      |          | _               | <del> </del> — |            | -        | -            | $\vdash$ | $\vdash$ | H               |  |  |
|       | 108<br>109               | _        | <del> </del>    | $\vdash$       |            |          |              |          | $\vdash$ |                 |  |  |
|       | 110                      |          |                 |                |            |          |              |          |          | П               |  |  |
|       | 111                      |          |                 |                |            |          |              |          |          |                 |  |  |
|       | 112                      |          |                 |                |            |          |              |          |          |                 |  |  |
|       | 113                      |          |                 |                |            |          |              |          |          | Щ               |  |  |
|       | 114                      |          |                 | <u> </u>       | lacksquare | <u> </u> | _            | _        |          | Щ               |  |  |
|       | 115                      | _        | _               |                | <u> </u>   | _        |              | _        | _        | Щ               |  |  |
|       | 116<br>117               | -        | $\vdash$        | -              | -          | $\vdash$ | -            |          | ├-       | $\vdash \vdash$ |  |  |
|       | 118                      | -        | -               | _              | $\vdash$   | $\vdash$ | <del> </del> |          | ├-       | Н               |  |  |
|       | 119                      |          | -               | _              | $\vdash$   | ├-       | ├─           |          | ├─       | Н               |  |  |
|       | 119<br>120<br>121        |          |                 |                |            |          |              |          |          |                 |  |  |
|       | 121                      |          |                 |                |            |          |              |          | $\vdash$ |                 |  |  |
|       | 122                      |          |                 |                |            |          |              |          |          |                 |  |  |
|       | 123                      |          |                 |                |            |          |              |          |          |                 |  |  |
|       | 122<br>123<br>124<br>125 |          |                 |                | L          | <u> </u> | <u> </u>     | <u> </u> | <u> </u> | Щ               |  |  |
|       | 125                      | _        |                 | _              | -          | <u> </u> | <u> </u>     | <u> </u> | ┝        | <u> </u>        |  |  |
|       | 120                      | <u> </u> |                 | _              |            | $\vdash$ | $\vdash$     | $\vdash$ | -        | $\vdash$        |  |  |
|       | 127<br>128<br>129        | _        |                 | -              |            | $\vdash$ | ┢            | -        | -        | Н               |  |  |
|       | 129                      | _        |                 | -              |            |          |              |          |          | H               |  |  |
| -     | 130                      |          |                 |                |            |          |              |          |          | П               |  |  |
|       | 130<br>131<br>132        |          |                 |                |            |          |              |          |          |                 |  |  |
|       | 132                      |          |                 |                |            |          |              |          |          |                 |  |  |
|       | 133<br>134               |          |                 |                |            |          |              |          | _        | Ш               |  |  |
|       | 134                      |          | _               |                |            | _        |              |          |          |                 |  |  |
|       | 135<br>136               |          |                 |                |            | _        |              |          | _        |                 |  |  |
|       | 137                      |          |                 |                |            | -        |              | _        | -        |                 |  |  |
|       | 138                      | -        | -               | _              |            | <u> </u> |              |          | <u> </u> |                 |  |  |
|       | 139                      |          |                 |                |            |          |              |          |          |                 |  |  |
|       | 140                      |          |                 |                | _          |          |              |          |          |                 |  |  |
|       | 141                      |          |                 |                |            |          |              |          |          |                 |  |  |
|       | 142                      |          |                 |                |            |          |              |          |          |                 |  |  |
|       | 143                      |          |                 |                | ļ.,        |          | L.           |          |          |                 |  |  |
|       | 144                      |          | Щ               | _              | _          |          |              | <u> </u> | _        | Щ               |  |  |
|       | 145                      | _        | $\vdash \vdash$ |                | <u> </u>   | _        | <u> </u>     | H        | <u> </u> |                 |  |  |
|       | 146<br>147               |          | $\vdash$        |                | -          |          | -            | _        | H        | Н               |  |  |
|       | 148                      | _        | $\vdash$        |                | _          | H        |              | -        | $\vdash$ | $\vdash$        |  |  |
|       | 149                      |          | Н               |                | Н          | _        | Н            | М        |          | $\vdash$        |  |  |
|       | 150                      |          | $\vdash$        |                | Т          |          | П            | П        |          |                 |  |  |
|       |                          |          |                 |                |            | _        |              |          | _        |                 |  |  |